

Traveler Title:

Booster Correction Multipole Magnet Assembly

Specification No:

333819

Revision:

J

DR No:

4515

Step No:

4.4

Drawing No:

5520-ME-445210

Routing Form No:**Serial No:**

BMA060

Rework ID:

0

Discrepancy Description:

Traveler instructs to, Visually inspect coils for damage, broken wires, etc. Notify Production Supervisor of such damage. Clean the coil using approved methods of any impregnation residue like tedlar, mylar, broken epoxy. Visual inspection discovered damaged leads on these coils, BMA-C1-113 leads 5-1 and 5-2, BMA-C1-108 leads 4-1, 1-2 and 5-2, BMA-C1-111 leads 4-1, and 1-1. See the images associated with this DR in ON-Base.

Originator:

Dennis Gaw

Date:

5/19/2008 2:24:28 PM

Cause of Nonconformance:

It appears that was due to epoxy cleaning techniques at the coil vendor. Based on the low(er) serial numbers, it's likely that these coils were completed before we asked them to not try to clean so much epoxy off the leads because it was damaging the leads.

Responsible Authority:

Jamie Blowers

Date:

5/21/2008 2:24:28 PM

Disposition:

After looking at the nicks, we should replace coil C1-108, and we can carefully use all the others. Identify the leads that are nicked (colored tape on the ends would be sufficient), and inform all the technicians that they must be extra careful when bending those leads into position so as to minimize the stress on them.

Disposition verify notes: Coil BMA-C1-108 was not used in magnet BMA060, coils BMA-C1-111 and BMA-C1-113 have had the damaged leads tagged with colored electrical tape. A copy of the DR is attached to coil BMA-C1-108 and the coil serial number has been added to the returned coil list.

An additional bit of information concerning coil BMA-C1-108 one of the coils mentioned in this DR, although this coil was not used in the manufacture of BMA060, and because of the short supply of coils needed to finish BMA magnet production Sasha has decided to use coil BMA-C1-108 to construct magnet BMA062.

Responsible Authority:

Jamie Blowers

Date:

5/21/2008

Corrective Action to Prevent Recurrence:

None. We instructed the vendor to stop cleaning them in that way, so later coils were not a problem.

Disposition verify notes: As per the disposition the company manufacturing the coils have been notified not to damage the leads.

Responsible Authority:

Jamie Blowers

Date:

5/21/2008

Corrective Action/Disposition Verified By:

Dennis Gaw

Date:

6/11/2008 8:17:22 AM

Will Configuration be affected?:☐ YES ☒ NO**Identified problem area:**

☒ Material ☐ Manpower ☐ Method ☐ Machine ☐ Measurement

Reviewed By:

Bob Jensen

Date:

6/26/2008